

UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))</small>		Attorney Docket No. 4928-108.1 US	
		First Inventor	Wen-Yi Kuo
		Title	Adaptive Channel Estimation Using Continuous Pilot Signal Based on Doppler Period
		Express Mail Label No.	EV 355379060 US
APPLICATION ELEMENTS <small>See MPEP chapter 600 concerning utility patent application contents.</small>		ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231	
<div>1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <small>(Submit an original and a duplicate for fee processing)</small></div> <div>2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</div> <div>3. <input checked="" type="checkbox"/> Specification [Total Pages 17] <small>(preferred arrangement set forth below)</small><ul style="list-style-type: none">- Descriptive title of the Invention- Cross Reference to Related Applications- Statement Regarding Fed sponsored R & D- Reference to sequence listing, a table, or a computer program listing appendix- Background of the Invention- Brief Summary of the Invention- Brief Description of the Drawings (if filed)- Detailed Description- Claim(s)- Abstract of the Disclosure</div> <div>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 5]</div> <div>5. Oath or Declaration [Total Pages]<div style="margin-left: 20px;">a. <input type="checkbox"/> Newly executed (original or copy)</div><div style="margin-left: 20px;">b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d)) <small>(for a continuation/divisional with Box 18 completed)</small></div><div style="margin-left: 20px;">i. <input type="checkbox"/> DELETION OF INVENTOR(S) <small>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</small></div></div> <div>6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</div>		<div>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)</div> <div>8. Nucleotide and/or Amino Acid Sequence Submission <small>(if applicable, all necessary)</small><div style="margin-left: 20px;">a. <input type="checkbox"/> Computer Readable Form (CRF)</div><div style="margin-left: 20px;">b. Specification Sequence Listing on:<div style="margin-left: 20px;">i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</div><div style="margin-left: 20px;">ii. <input type="checkbox"/> paper</div></div><div style="margin-left: 20px;">c. <input type="checkbox"/> Statements verifying identity of above copies</div></div>	



15866 U.S. PTO

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE**FEE TRANSMITTAL
for FY 2002**

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) 770**Complete if Known**

Application Number	TBA
Filing Date	TBA
First Named Inventor	Wen-Yi Kuo
Examiner Name	Ghebretinsae, Temeshhen
Group / Art Unit	2631
Attorney Docket No.	4928-108.1 US

METHOD OF PAYMENT (check one)				FEE CALCULATION (continued)			
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account Number: 13-2165 Deposit Account Name: Mathews, Collins, Shepherd & McKay, P.A. <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27				3. ADDITIONAL FEES			
2. <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other							
FEE CALCULATION							
1. BASIC FILING FEE							
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid		
101	740	201	370	Utility filing fee	770		
106	330	206	165	Design filing fee			
107	510	207	255	Plant filing fee			
108	740	208	370	Reissue filing fee			
114	160	214	80	Provisional filing fee			
SUBTOTAL (1)				(\$) 770			
2. EXTRA CLAIM FEES							
Total Claims	-20 **	=	0	X		=	0
Independent Claims	-3 **	=	0	X		=	0
Multiple Dependent		X				=	0
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid		
103	18	203	9	Claims in excess of 20			
102	84	202	42	Independent claims in excess of 3			
104	280	204	140	Multiple dependent claim, if not paid			
109	84	209	42	** Reissue independent claims over original patent			
110	18	210	9	** Reissue claims in excess of 20 and over original patent			
SUBTOTAL (2)				(\$) 0			
**or number previously paid, if greater; For Reissues, see above							
				Other fee (specify) _____			
				*Reduced by Basic Filing Fee Paid			
				SUBTOTAL (3)		(\$) 0	

SUBMITTED BY				Complete (if applicable)	
Name (Print/Type)	David P. Krivoshik	Registration No. Attorney/Agent	39, 258	Telephone	(609) 924-8555
Signature				Date	November 11, 2003

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**NONPUBLICATION REQUEST
UNDER
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor Wen-Yi Kuo

Title Adaptive Channel Estimation Using Continuous Pilot Signal
Based on Doppler Period

Atty Docket Number 4928-108.1 US

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

November 11, 2003

Date



Signature

David P. Krivoshik

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

Burden Hour Statement: This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: WEN-YI KUO : Group Art Unit: 2631
:
Serial No.: TBA : Examiner: Temesghen Ghebretinsae
:
Filed: TBA : Date: November 11, 2003
:
Title: ADAPTIVE CHANNEL ESTIMATION: Attorney Docket: 4928-108.1 US
USING CONTINUOUS PILOT SIGNAL :
BASED ON DOPPLER PERIOD :
:

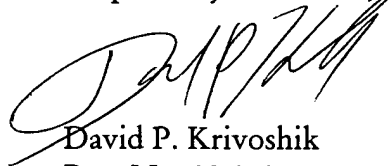
MS Patent Application
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

LETTER TO OFFICIAL DRAFTPERSON

Enclosed please find five (5) sheets of formal drawings representing Figures 1a through 7 for the above-captioned patent application.

If there are any fees due in respect to this Continuation, please charge them to Deposit Account No. 13-2165. Authority is hereby given to charge any such deficiency, or credit any overpayment to Deposit Account No. 13-2165 Mathews, Collins, Shepherd & McKay. The Examiner is invited to contact the undersigned if further information is required.

Respectfully submitted,



David P. Krivoshik

Reg. No. 39,258

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I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as Express mail in an envelope addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450 on November 11, 2003.

Joyce Maule
Name

Joyce Maule
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EXPRESS MAIL CERTIFICATE

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Date of Deposit: November 11, 2003

Type of Documents:

1. Utility Patent Application Transmittal (Large Entity) (1 page);
2. Express Mail Certificate (1 page);
3. Fee Transmittal Sheet; (1 page);
4. Specification (17 pages);
5. Letter to USPTO Official Draftsperson (1 page);
6. Drawings (5 sheets);
7. Declaration (executed) (2 pages);
8. Executed Power of Attorney (1 page);
9. Non Publication Request (1 page);
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